

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	6235-75996-01
	Application Number	10/582,654
	Filing Date	February 20, 2008
	First Named Inventor	Ono
	Art Unit	1643
	Examiner Name	Lynn Anne Bristol

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. (optional)	Document Number Number-Kind Code (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant
/L.B./		US-5,077,216	12/31/1991	Morganelli <i>et al.</i>
		US-5,223,241	06/29/1993	Isobe <i>et al.</i>
		US-5,747,654	05/05/1998	Pastan <i>et al.</i>
		US-6,132,992	10/17/2000	Ledbetter <i>et al.</i>
		US-2002/0155537	10/24/2002	Carter <i>et al</i>
		US-2004/0219643	11/04/2004	Winter <i>et al.</i>
		US-2005/0214278	09/29/2005	Kakuta <i>et al.</i>
		US-2005/0267222	12/01/2005	Iwata <i>et al.</i>
		US-2006/0058511	03/16/2006	Tanikawa <i>et al.</i>
		US-2006/0159673	07/20/2006	Kojima
		US-2006/0269989	11/30/2006	Miyazaki <i>et al.</i>
		US-2007/0087381	04/19/2007	Kojima
		US-2009/0214535	08/27/2009	Igawa <i>et al.</i>
		US-2009/0297501	12/03/2009	Igawa <i>et al.</i>
		US-2010/0015133	01/21/2010	Igawa <i>et al.</i>
		US-2010/0092457	04/15/2010	Aburatani <i>et al.</i>
		US-2011/0059488	03/10/2011	Tsunoda <i>et al</i>

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FOREIGN PATENT DOCUMENTS

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/L.B./		AU 2002/210917	04/25/2002	Chugai Seiyaku Kabushiki Kaisha	X
↑		CA 2272245	05/28/1998	Roche Diagnostics GMBH	
↑		CA 2 331 641	11/11/1999	Deutsches Drebsforschungszentrum Stiftung Des Öffentlichen Rechts	
↑		EP 0 437 622	07/24/1991	Kyowa Hakko Kogyo Co., Ltd.	
↑		EP 0 562 125	09/29/1993	Toray Industries, Inc.	
↑		EP 0 774 511	05/21/1997	Cambridge Antibody Technology Limited	
↑		EP 0 811 691	12/10/1997	Kyowa Hakko Kogyo Co., Ltd.	
↑		EP 1 870 458	12/26/2007	Chugai Seiyaku Kabushiki Kaisha	
↑		EP 1 900 814	03/19/2008	Chugai Seiyaku Kabushiki Kaisha	
↑		DE 198 19 846 (w/English Abstract)	11/11/1999	Deutsches Krebsforsch	
↑		JP 3-41033 (w/English Abstract)	02/21/1991	Kyowa Hakko Kogyo KK	
↑		JP 8-500979 (w/English Abstract)	02/06/1996	SmithKline Beecham Corporation	
↑		JP 2001-523971 (w/English Abstract)	11/27/2001	Genentech, Inc.	
↑		JP 2002-543822 (w/English Abstract)	12/24/2002	SmithKline Beecham Corporation	
↑		JP 2003-515323 (w/English Abstract)	05/07/2003	Oxford Biomedica (UK) Limited	
↑		JP 2004-292455 (w/English Abstract)	10/21/2004	Chugai Pharmaceutical Co. Ltd.	

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/L.B./		WO 91/00739	01/24/1991	Kyowa Hakko Kogyo Co., Ltd.	
↑		WO 93/06862	04/15/1993	Toray Industries, Inc.	X
		WO 94/05690	03/17/1994	SmithKline Beecham Corporation	
		WO 96/27011	09/06/1996	Genentech, Inc.	
		WO 96/34892	11/07/1996	Bioenhancements Ltd.	
		WO 97/10354	03/20/1997	Kyowa Hakko Kogyo Co., Ltd.	X
		WO 98/22136	05/28/1998	Boehringer Mannheim GMBH	X
		WO 98/50431	11/12/1998	Genentech, Inc.	
		WO 00/44788	08/03/2000	Idec Pharmaceuticals Corporation	
		WO 00/069462	11/23/2000	SmithKline Beecham Corporation	
		WO 01/036486	05/25/2001	Oxford Biomedica (UK) Limited	
		WO 01/44282	06/21/2001	The Burnham Institute	
		WO 01/70775	09/27/2001	Curagen Corporation	
		WO 02/096457	12/05/2002	Novartis-Erfindungen Verwaltungsgesellschaft M.B. H.	
		WO 03/033538	04/24/2003	Kirin Beer Kabushiki Kaisha	X
		WO 03/086324	10/23/2003	Allos Therapeutics, Inc.	
		WO 03/087163	10/23/2003	Chugai Seiyaku Kabushiki Kaisha	X

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/L.B./		WO 2004/019966	03/11/2004	Chugai Seiyaku Kabushiki Kaisha	X
/L.B./		WO 2004/037293	05/06/2004	Dainippon Pharmaceutical Co., Ltd.	X
/L.B./		WO 2004/111233	12/23/2004	Chugai Seiyaku Kabushiki Kaisha	X
/L.B./		WO 2005/107784	11/17/2005	Chugai Seiyaku Kabushiki Kaisha	X

Examiner Initials*	Cite No. (optional)	OTHER DOCUMENTS	T**
/L.B./		ANDRIS-WIDHOPF <i>et al.</i> , "Methods for the generation of chicken monoclonal antibody fragments by phage display," <i>J. Immunol. Meth.</i> , 242:159-181 (2000).	
↑		ARNDT <i>et al.</i> , "Factors influencing the dimer to monomer transition of an antibody single-chain Fv fragment," <i>Biochemistry</i> , 37: 12918-12926 (1998).	
		ARNDT <i>et al.</i> , "Generation of a highly stable, internalizing anti-DC22 single-chain Fv fragment for targeting non-Hodgkin's lymphoma," <i>Int. J. Cancer</i> , 107:822-829 (2003).	
		CARPENTER <i>et al.</i> , "Rational design of stable lyophilized protein formulations: some practical advice," <i>Pharmaceutical Research</i> , 14:969-975 (1997).	
		CARPENTER <i>et al.</i> , "Rational design of stable lyophilized protein formulations: theory and practice," <i>PharmaBiotechnol</i> , 13:109-133 (2001).	
		CARTER, "Bispecific human IgG by design," <i>J. Immunol. Methods</i> , 248:7-15 (2001).	
		CEKAITE <i>et al.</i> , "Protein Arrays: A versatile toolbox for target identification and monitoring of patient immune responses," <i>Methods Mol. Biol.</i> , 360:335-348 (2007).	
		CHATELLIER <i>et al.</i> , "Functional mapping of conserved residues located at the VL and VH domain interface of a Fab," <i>J. Mol. Biol.</i> , 264:1-6 (1996).	
		CHOWDHURY <i>et al.</i> , "Engineering scFvs for improved stability," <i>Methods Mol. Biol.</i> , 207:237-254 (2003).	
		CLACKSON <i>et al.</i> , "Making antibody fragments using phage display libraries," <i>Nature</i> , 352:624-628 (1991).	
		CLELAND <i>et al.</i> , "A specific molar ratio of stabilizer to protein is required for storage stability of a lyophilized monoclonal antibody," <i>J. Pharm. Sci.</i> , 90:310-321 (2001).	
		COCHLOVIUS <i>et al.</i> , "Treatment of human B cell lymphoma xenografts with a CD3 x CD19 diabody and T cells," <i>The Journal of Immunology</i> , 165:888-895 (2000).	

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/L.B./		CREIGHTON, "Protein folding," <i>Biochem. J.</i> , 270:1-16 (1990).	
↑		DAVIES <i>et al.</i> , "Antibody VH domains as small recognition units," <i>Biotechnology (N.Y.)</i> , 13:475-479 (1995).	
		DE JONGE <i>et al.</i> , "Production and Characterization of Bispecific Single-Chain Antibody Fragments," <i>Mol. Immunol.</i> , 32:1405-1412 (1995).	
		EIJSINK <i>et al.</i> , "Rational engineering of enzyme stability," <i>J. Biotech.</i> , 113:105-120 (2004).	
		EUROPEAN PATENT OFFICE, European Search Report for Corresponding App. Ser. No. EP 06 73 0748, dated April 22, 2009, 7 pages.	
		FISH & RICHARDSON, Amendment in Reply to Action dated April 23, 2010 in Corresponding U.S. App. Ser. No. 10/530,696, filed October 22, 2010, 8 pages.	
		FISH & RICHARDSON, Amendment in Reply to Action dated April 16, 2010 in Corresponding U.S. App. Ser. No. 10/582,413, filed October 15, 2010, 11 pages.	
		FISH & RICHARDSON, Amendment and Response to Restriction Requirement mailed May 3, 2010 in Corresponding U.S. App. Ser. No. 11/910,117, filed November 2, 2010, 11 pages.	
		FISH & RICHARDSON, Reply to Restriction Requirement dated December 15, 2010 in Corresponding U.S. App. Ser. No. 12/874,872, filed January 18, 2011, 8 pages.	
		FISH & RICHARDSON, RCE and Amendment mailed October 29, 2010, in Corresponding U.S. App. Ser. No. 10/582,176, filed dated April 28, 2011.	
		EWERT <i>et al.</i> , "Biophysical properties of human antibody variable domains," <i>J. Mol. Biol.</i> , 325:531-553 (2003).	
		EWERT <i>et al.</i> , "Stability improvement of antibodies for extracellular and intracellular applications: CDR grafting to stable frameworks and structure-based framework engineering," <i>Methods</i> , 34:184-199 (2004).	
		EWERT <i>et al.</i> , "Structure-based improvement of the biophysical properties of immunoglobulin V _H domains with a generalizable approach," <i>Biochemistry</i> , 42:1517-1528 (2003).	
		FROKJAER <i>et al.</i> , "Protein drug stability: a formulation challenge," <i>Nature Rev Drug Discov.</i> , 4:298-306 (2005).	
		GARCIA-GONZALEZ <i>et al.</i> , "Purification of murine IgG3 and IgM monoclonal antibodies by euglobulin precipitation," <i>J. Immunol. Meth.</i> , 111:17-23 (1988).	
		GenBank: U27005.1, Mus musculus, isolate 7183Liv, Vh7183 Ig heavy chain variable region gene, Vh region, partial cds, 1 page (April 1996).	

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/L.B./		GenBank: AY081858.1, Mus musculus, isolate H3-9 anti-GBM immunoglobulin kappa chain variable region mRNA, partial cds, 1 page (March 2004).	
↑		GOLDSTEIN <i>et al.</i> , "Cytolytic and Cytostatic Properties of an Anti-Human Fc γ RI (CD64) x Epidermal Growth Factor Bispecific Fusion Protein ¹ ," <i>J. Immunol.</i> , 158:872-879 (1997).	
↑		GOMBOTZ <i>et al.</i> , "The stabilization of a human IgM monoclonal antibody with poly(vinylpyrrolidone)," <i>Pharmaceutical Research</i> , 11:624-632 (1994).	
↑		GRUBER <i>et al.</i> , "Efficient tumor cell lysis mediated by a bispecific single chain antibody expressed in <i>Escherichia coli</i> ¹ ," <i>J. Immunol.</i> , 152:5368-5374 (1994).	
↑		HOOGENBOOM <i>et al.</i> , "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," <i>Nucleic Acids Res.</i> , 19:4133-4137 (1991).	
↑		HOZUMI <i>et al.</i> , "Evidence for somatic rearrangement of immunoglobulin genes coding for variable and constant regions," <i>Proc. Natl. Acad. Sci. USA</i> , 73:3628-3632 (1976).	
↑		INTERNATIONAL BUREAU OF WIPO, International Preliminary Report on Patentability for Corresponding App. Ser. No. PCT/JP2006/306800, dated October 3, 2007, 6 pages.	
↑		JAGER <i>et al.</i> , "Folding and assembly of an antibody Fv fragment, a heterodimer stabilized by antigen," <i>J. Mol. Biol.</i> , 285:2005-2019 (1999).	
↑		JAPANESE PATENT OFFICE, International Search Report for Corresponding App. Ser. No. PCT/JP2006/306800, mailed May 16, 2006, 4 pages.	
↑		JUNG <i>et al.</i> , "The importance of framework residues H6, H7 and H10 in antibody heavy chains: experimental evidence for a new structural subclassification of antibody V _H domains," <i>J. Mol. Biol.</i> , 309:701-716 (2001).	
↑		KHALIFA <i>et al.</i> , "Effects on interaction kinetics of mutations at the VH-VL interface of Fabs depend on the structural context," <i>J. Mol. Recognit.</i> , 13: 127-139 (2000).	
↑		KIPRIYANOV <i>et al.</i> , "Generation of Recombinant Antibodies," <i>Mol. Biotechnology</i> , 12:173-201 (1999).	
↑		KONTERMANN, "Recombinant bispecific antibodies for cancer therapy," <i>Acta Pharmacol. Sin.</i> , 26:1-9 (2005).	
↑		KORN <i>et al.</i> , "Recombinant bispecific antibodies for the targeting of adenoviruses to CEA-expressing tumour cells: a comparative analysis of bacterially expressed single-chain diabody and tandem scFv," <i>J. Gene Med.</i> , 6:642-651 (2004).	
↑		KREBBER <i>et al.</i> , "Reliable cloning of functional antibody variable domains from hybridomas and spleen cell repertoires employing a reengineered phage display system," <i>J. Immunol. Methods</i> , 201:35-55 (1997).	
↑		KURUCZ <i>et al.</i> , "Retargeting of CTL by an efficiently refolded bispecific single-chain Fv dimer produced in bacteria," <i>J. Immunol.</i> , 154:4576-4582 (1995).	

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/L.B./		LE GALL <i>et al.</i> , "Effect of linker sequences between the antibody variable domains on the formation, stability and biological activity of a bispecific tandem diabody," <i>Protein Engineering Design & Selection</i> , 17:357-366 (2004).	
↑		LEE <i>et al.</i> , "Reversible dimer formation and stability of the anti-tumour single chain Fv antibody MFE-23 by neutron scattering, analytical ultracentrifugation, and NMR and FT-IR spectroscopy," <i>J. Mol. Biol.</i> , 320:107-127 (2002).	
		LITTLE <i>et al.</i> , "Of mice and men: hybridoma and recombinant antibodies," <i>Immunol. Today</i> , 21:364-370 (2000).	
		LIU <i>et al.</i> , "Functional interactions between arginine-133 and aspartate-88 in the human reduced folate carrier: evidence for a charge-pair association," <i>Biochem. J.</i> , 358:511-516 (2001).	
		MAITY <i>et al.</i> , "Equilibrium unfolding of dimeric and engineered monomeric forms of Cro (F58W) repressor and the effect of added salts: evidence for the formation of folded monomer induced by sodium perchlorate," <i>Arch. Biochem. Biophys.</i> , 434:93-107 (2005).	
		MARTSEV <i>et al.</i> , "Antiferritin single-chain antibody: a functional protein with incomplete folding?" <i>FEBS Letters</i> , 441:458-462 (1998).	
		MCGUINNESS <i>et al.</i> , "Phage diabody repertoires for selection of large number of bispecific antibody fragments," <i>Nat. Biotech.</i> , 14: 1149-1154 (1996).	
		MENG <i>et al.</i> , "The evaluation of recombinant, chimeric, tetravalent antihuman CD22 antibodies," <i>Clin. Cancer Res.</i> , 10:1274-1281 (2004).	
		MERCHANT <i>et al.</i> , "An efficient route to human bispecific IgG," <i>Nat. Biotech.</i> , 16:677-681 (1996).	
		NIEBA <i>et al.</i> , "Disrupting the hydrophobic patches at the antibody variable/constant domain interface: improved <i>in vivo</i> folding and physical characterization of an engineered scFv fragment," <i>Protein Engineering</i> , 10:435-444 (1997).	
		NOHAILE <i>et al.</i> , "Altering dimerization specificity by changes in surface electrostatics," <i>PNAS</i> 98:3109-3114 (2001).	
		PEIPP <i>et al.</i> , "Bispecific antibodies targeting cancer cells," <i>Biochem. Soc. Trans.</i> , 30:507-511 (2002).	
		RAJAGOPAL <i>et al.</i> , "A form of anti-Tac (Fv) which is both single-chain and disulfide stabilized: comparison with its single-chain and disulfide-stabilized homologs," <i>Protein Engineering</i> , 10: 1453-1459 (1997).	
		RIDGWAY <i>et al.</i> , "'Knobs-into-holes' engineering of antibody C _H 3 domains for heavy chain heterodimerization," <i>Protein Eng.</i> , 9:617-621 (1996).	
		ROUSCH <i>et al.</i> , "Somatostatin displayed on filamentous phage as a receptor-specific agonist," <i>Br. J. Pharmacol.</i> , 125:5-16 (1998).	

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/L.B./		SEGAL <i>et al.</i> , "Bispecific antibodies in cancer therapy," <i>Cur. Opin. Immunol.</i> , 11:558-562 (1999).	
↑		SHALABY <i>et al.</i> , "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the HER2 Protooncogene," <i>J. Exp. Med.</i> , 175:217-225 (1992).	
		SHARMA <i>et al.</i> , "Study of IgM aggregation in serum of patients with macroglobulinemia," <i>Clin. Chem. Lab. Med.</i> , 38:759-764 (2000).	
		SHIMBA <i>et al.</i> , "Comparative thermodynamic analyses of the Fv, Fab* and Fab fragments of anti-dansyl mouse monoclonal antibody," <i>FEBS Letters</i> , 360:247-250 (1995).	
		SHIRE <i>et al.</i> , "Challenges in the development of high protein concentration formulations," <i>J. Pharm. Sci.</i> , 93:1390-1402 (2004).	
		SKERRA, "Use of the tetracycline promoter for the tightly regulated production of a murine antibody fragment in <i>Escherichia coli</i> ," <i>Gene</i> , 151:131-135 (1994).	
		TAN <i>et al.</i> , "Contributions of a highly conserved V _H /V _L hydrogen bonding interaction to scFv folding stability and refolding efficiency," <i>Biophys. J.</i> , 75:1473-1482 (1998).	
		TANG <i>et al.</i> , "Selection of linkers for a catalytic single-chain antibody using phage display technology", <i>J. Biol. Chem.</i> , 271: 15682-15686 (1996).	
		TURNER <i>et al.</i> , "Importance of the linker in expression of single-chain Fv antibody fragments: optimization of peptide sequence using phage display technology," <i>Journal of Immunological Methods</i> , 205:43-54 (1997).	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Restriction Requirement in Corresponding U.S. App. Ser. No. 11/910,117, mailed May 3, 2010, 9 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Non-Final Office Action in Corresponding U.S. App. Ser. No. 10/582,304, mailed December 9, 2010, 12 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Restriction Requirement in Corresponding U.S. App. Ser. No. 12/874,872, mailed December 15, 2010, 6 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Notice of Allowance in Corresponding U.S. App. Ser. No. 10/551,504, mailed December 16, 2010, 5 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Non-Final Office Action in Corresponding U.S. App. Ser. No. 10/530,696, mailed January 7, 2011, 9 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Non-Final Office Action in Corresponding U.S. App. Ser. No. 11/910,117, mailed January 24, 2011, 10 pages.	
		UNITED STATES PATENT AND TRADEMARK OFFICE, Notice of Allowance in Corresponding U.S. App. Ser. No. 10/551,504, mailed March 21, 2011, 7 pages.	
		VANDENBURG <i>et al.</i> , "Selection of mutations for increased protein stability," <i>Curr. Opin. Biotechnol.</i> , 13:333-337 (2002).	

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/L.B./		VARGAS-MADRAZO <i>et al.</i> , "An improved model of association for VH-VL immunoglobulin domains: asymmetries between VH and VL in the packing of some interface residues," <i>J. Mol. Recognit.</i> , 16:113-120 (2003).	
		VIEILLE <i>et al.</i> , "Hyperthermophilic enzymes: sources, uses, and molecular mechanisms for thermostability," <i>Microbiology and Molecular Biology Reviews</i> , 65:1-43 (2001).	
		VÖLKEL <i>et al.</i> , "Optimized linker sequences for the expression of monomeric and dimeric bispecific single-chain diabodies," <i>Protein Engineering</i> , 14:815-823 (2001).	
		WANG, "Instability, stabilization, and formulation of liquid protein pharmaceuticals," <i>International Journal of Pharmaceutics</i> , 185:129-188 (1999).	
		WANG, "Lyophilization and development of solid protein pharmaceuticals," <i>International Journal of Pharmaceutics</i> , 203:1-60 (2000).	
		WANG, "Protein aggregation and its inhibition in biopharmaceutics," <i>International Journal of Pharmaceutics</i> , 289:1-30 (2005).	
		WHITLOW <i>et al.</i> , "An improved linker for single-chain Fv with reduced aggregation and enhanced proteolytic stability," <i>Protein Engineering</i> , 6:989-995 (1993).	
		WÖRN <i>et al.</i> , "Stability engineering of antibody single-chain Fv fragments," <i>J. Mol. Biol.</i> , 305:989-1010 (2001).	
		WU <i>et al.</i> , "Multimerization of a chimeric anti-CD20 single-chain Fv-Fc fusion protein is mediated through variable domain exchange," <i>Protein Eng.</i> , 14:1025-1033 (2001).	
		ZHU <i>et al.</i> , "Remodeling domain interfaces to enhance heterodimer formation," <i>Protein Science</i> , 6:781-788 (1997).	
		ZHU <i>et al.</i> , "An efficient route to the production of an IgG-like bispecific antibody," <i>Protein Eng.</i> , 13:361-367 (2000).	

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